

# MEMBRANE HOUSING

## WWH/EMH/SMH

### Parts Included

1. 1 x Stainless Steel Housing Body
2. 2 x Rubber Housing Mounts
3. 2 x Housing Mounting Straps
4. 2 x End-Cap Clamps
5. 4 x End-Cap Clamp Bolt (M6 x 63) and Nut
6. 4 x End-Cap O-rings
7. 2 x ABS End-Caps
8. 1 x ½" BSPT Plug

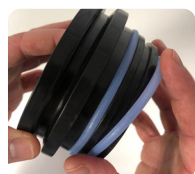


### Product Information

| Product Code    | Dimensions (Ø x Length mm) | Port Size (" BSPT) |          |             |
|-----------------|----------------------------|--------------------|----------|-------------|
|                 |                            | Feed               | Permeate | Concentrate |
| SMH2521         | 64 x 603                   | 3/8                | 3/8      | 3/8         |
| SMH2540         | 64 x 1086                  | 3/8                | 3/8      | 3/8         |
| WWH/EMH/SMH4021 | 104 x 603                  | 3/4                | 1/2      | 3/4         |
| WWH/EMH/SMH4040 | 104 x 1086                 | 3/4                | 1/2      | 3/4         |

### Assembly Instructions

Before assembly ensure that all components have been supplied.



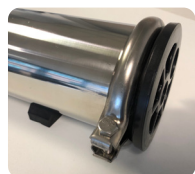
1. Install two O-rings per end-cap.



2. Fully insert end-cap into housing body. (Applying lubricant or water to the O-rings will make installation easier and prevent damage to the O-rings.)



3. Secure end-cap to the housing with one end-cap clamp at each end. Fasten the nuts to tighten the clamp.
4. Plug one of the central permeate ports with the ½" BSPT plug.



5. Fix the rubber housing mount to the required wall or bracket.
6. Place housing on top of rubber mounts.



7. Secure housing in place with housing mounting straps.

### Installing Membrane Elements (1st time use)

1. Install end-cap assembly at the downstream (concentrate) end of the housing.
2. Lubricate the membrane element brine seal lightly with lubricant or water.  
**Note:** Do not lubricate membrane element seals with a silicone-based material, as it may foul the element.
3. Insert membrane element with the brine seal positioned on the upstream (feed) end with its brine seal lip facing upstream.
4. Push the membrane element into the housing until it fully engages with the installed end-cap internal O-rings. Make sure the membrane brine seal is properly located and the membrane is being inserted with the brine seal end of the element last to enter the housing.
5. When the membrane element is located, install the remaining end-cap as described in the previous section.

### Changing Membrane Element

1. Turn off the water supply and depressurise the housing by opening an outlet downstream.
2. Remove the housing end-cap at the feed end.
3. Remove existing membrane element.
4. Wipe inside of housing to remove any debris or build up.
5. Insert new membrane following instructions from above.
6. Turn on water and check for leaks before pressurising.

### Key Notes

- Read and understand these installation instructions before attempting to install.
- All O-ring seals should be lightly lubricated before installation.
- Check end-caps have been securely fitted before start-up of the system.

### Visual Instructions

Please scan the QR code for a video tutorial

